

ABSTRACT OF THE DISCLOSURE

A method, system, and apparatus for increasing the efficiency and robustness of the compression of messages using a communication protocol for communication between entities over bandwidth-limited communication links. In one aspect of the present invention, a dictionary compression method is used to compress and decompress messages between communication entities. Each communication entity includes a static dictionary, a dynamic dictionary, a Temporary Receiver Dictionary, and a Temporary Sender Table. During compression of messages, a compressor in each entity uses the static dictionary, the dynamic dictionary, and the Temporary Receiver Dictionary as compression dictionaries. During decompression of messages, a decompressor in each entity uses the static dictionary, the dynamic dictionary, and the Temporary Sender Table as decompression dictionaries.